

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/001713 A1

(51) International Patent Classification⁷: **G06F 17/30**

[CH/CH]; Anton Graff-Strasse 15, CH-8400 Winterthur (CH).

(21) International Application Number:
PCT/IB2004/001604

(74) Agents: **TOLETI, Martin** et al.; IBM Research GmbH, Zurich Research Laboratory, Säumerstrasse 4 / Postfach, CH-8803 Rüschlikon (CH).

(22) International Filing Date: 7 May 2004 (07.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03014829.0 30 June 2003 (30.06.2003) EP

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, NY 10504 (US).

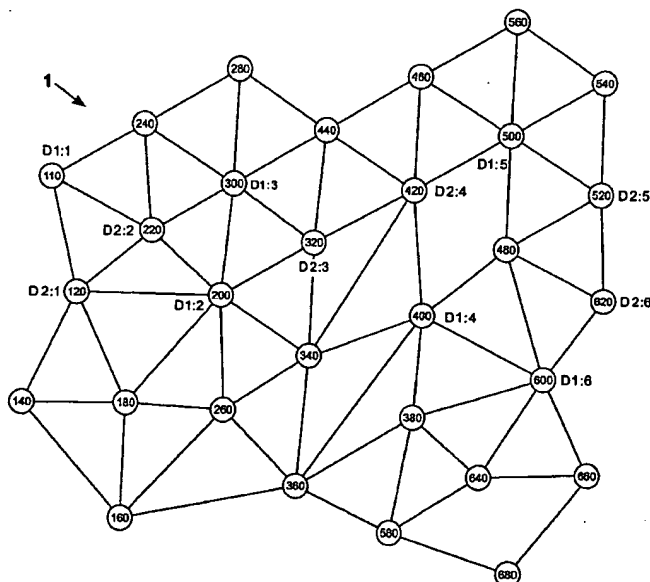
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BAUER, Daniel M.** [CH/CH]; Alte Zuercherstrasse 43, CH-8903 Birmensdorf (CH). **HURLEY, Paul T.** [IE/CH]; Brunnenmoosstrasse 7, CH-8802 Kilchberg (CH). **WALDVOGEL, Marcel**

[Continued on next page]

(54) Title: **RETRIEVING A REPLICA OF AN ELECTRONIC DOCUMENT IN A COMPUTER NETWORK**



(57) Abstract: There are introduced ways for retrieving or depositing a replica of an electronic document in a computer network. After having selected at least one replica number, a hash function is applied. The function requires as input the replica number and a document identifier. The function returns as a result at least one entity identifier, each entity identifier representing an entity in the network that might provide the replica. In a next step, a document related request is addressed to at least one of the identified entities.

WO 2005/001713 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.